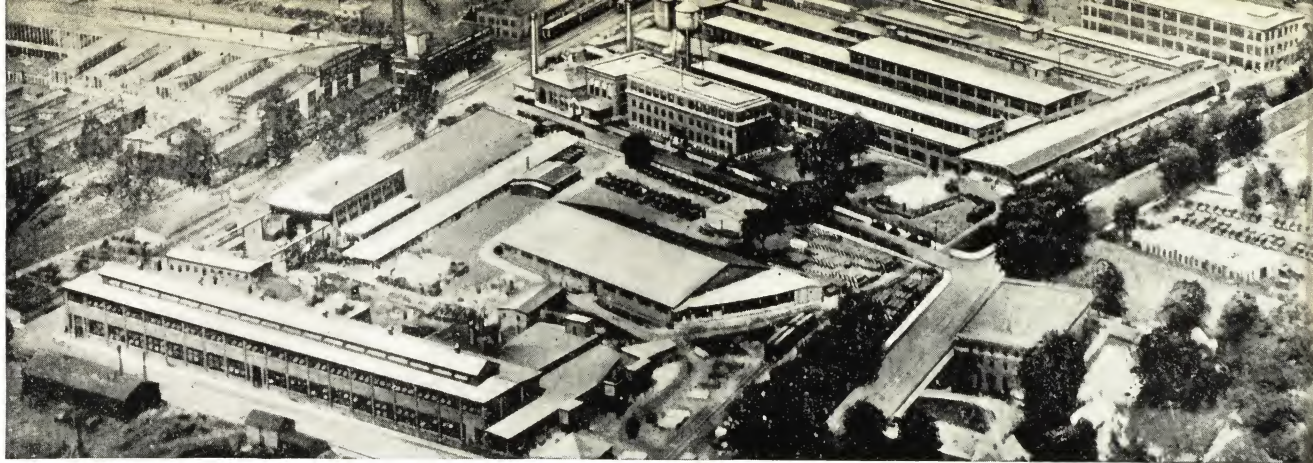


ARCHITECTS  
MANUAL  
*of*  
**Gilbarco**  
*Automatic*  
OIL HEATING  
AIR CONDITIONING

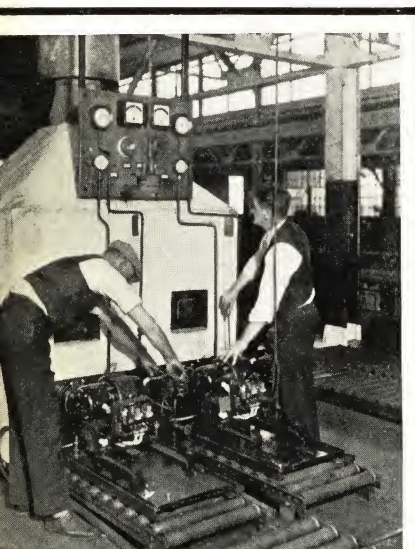


FIRST & SECOND  
SHEET





## The Company behind **GILBARCO** . .



Gilbarco Burners are actually fire tested before shipment. Nothing is left to chance.



With a capacity for pouring 40 tons of metal per day the Gilbert & Barker Foundry rates as one of the largest in New England.



General view of one of the Gilbert & Barker Machine Shops (there are two others)—modern machinery, plenty of light and efficient workmen make for properly built products.

### THE COMPANY

The stability and character of the company and its experience in producing oil burning equipment means much to your reputation and your clients' satisfaction. Today there are thousands of oil burners installed throughout the country whose makers have gone out of business and whose owners are deprived of the service which they have a right to expect from such equipment. In the selection of automatic home heating it is vitally essential to know that the manufacturer has sufficient knowledge and resources to ensure not only a dependable product but dependable service throughout the life of the equipment.

### ITS PRODUCTS

The GILBERT & BARKER MFG. COMPANY is one of the oldest and largest manufacturers of gasoline and oil dispensing and storage and oil burning equipment. It was established in 1865. More than seventy years ago this old New England firm manufactured the famous Springfield Gas Machine—a machine that used gasoline to generate gas for heating and lighting purposes. Fifty years ago a complete line of Industrial Oil Burning equipment was introduced and quickly became known throughout the country. Thirty-one years ago a line of gasoline and oil dispensing and storage equipment was produced, which is now sold in 108 countries throughout the world. Almost 10 years ago the now famous "Gilbarco" Oil Burner was introduced in a range of models to meet all heating requirements, both in homes and public and commercial buildings. In 1934 the Company entered the Domestic Air Conditioning Field with the most advanced equipment developed up to that time.

Today the "Gilbarco" lines include 6 models of Domestic Oil Burners which enable an individualized solution of any heating problem; 8 models of specially designed Boiler-Burner Units; 10 models of Domestic Air Conditioning Units; 2 models of Gravity Furnaces; 12 models of Industrial Heavy Oil Burners; the "Gilbarco" Hot Water Heater; and the "Gilbarco" Portable Summer Air Conditioner.

### ITS POSITION IN THE FIELD

In Oil Burning Equipment and as a subsidiary of the world's largest oil company, the GILBERT & BARKER MFG. COMPANY occupies the enviable position of having more experience and knowledge of oil and oil burning equipment than any other manufacturer in the industry. The efficiency and dependability of "Gilbarco" Units has lifted them in nine short years to unquestioned leadership in their field. This leadership is just as pronounced abroad as it is in America. "Gilbarco" Oil Burners are rendering satisfactory performance in England, France, Germany, Norway, Sweden, Switzerland, Denmark, Roumania, Italy, and other foreign countries. You can specify "Gilbarco" with complete confidence in the equipment and the company which stands squarely behind it.

We reserve the right to change all specifications herein without notice or liability.

### GILBERT & BARKER MANUFACTURING COMPANY

SPRINGFIELD, MASSACHUSETTS, U. S. A.

CHICAGO

TORONTO, PARIS, LONDON, SYDNEY

NEW YORK SALES OFFICE AND SHOWROOMS

ROOM 2437, 30 ROCKEFELLER PLAZA

Sold and Installed by authorized dealers throughout the United States  
and by Esso Marketers in the Following States:

BOSTON, MASSACHUSETTS  
NEW JERSEY

METROPOLITAN NEW YORK  
MARYLAND  
VIRGINIA

EASTERN PENNSYLVANIA  
NORTH CAROLINA  
WASHINGTON, D. C.



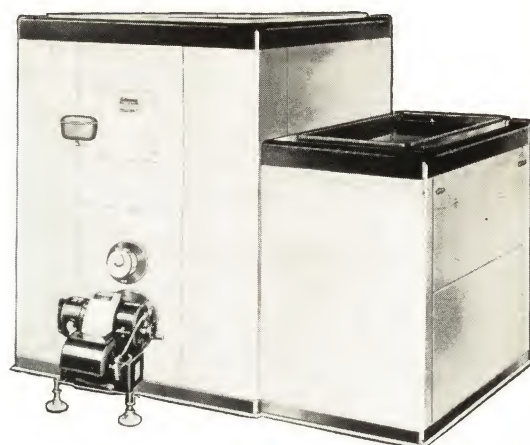


De Luxe Models FBD 110, FBD 125,  
FBD 150, FBD 200 and FBD 250



Model FBSA 80

This new unit is designed and engineered for  
the small home.



Models FBS 350 and FBS 450

Finest and most efficient oil heating and air conditioning equipment on the market. A compact, self-contained unit in baked enamel cabinet, the same superlative finish as your electric refrigerator. Burner and controls, enclosed in cabinet, are easily accessible through ventilated door. The finish is duo-tone green with dull chromium trim.

## GILBARCO Series "F"

A series of models which provide automatic air conditioning for the medium size home or the largest estate, school, bank, store or similar public building. The burner is not enclosed in cabinet. Duo-tone green finish.

# OIL HEATING WARM AIR CONDITIONERS

## MODERN CONSTRUCTION DEMANDS AIR CONDITIONING

75% of all new homes in a single large metropolitan area were Air Conditioned in 1934, and the percentage was increased to 90% in 1937. So has the modern science of Domestic Air Conditioning developed into an essential in the modern mode of living.

The need for Air Conditioning is readily understood when you

consider that in the New York area there are but 80 ideal days in any year—73 days when cooling is desirable—and 212 days when heat is necessary usually with humidification. Thus it can be seen that during approximately 60% of every year, Gilbarco Oil Heating—Air Conditioning is essential to a comfortable atmosphere.

## BECAUSE IT PROVIDES

**Comfort.** The human body liberates heat in three ways—radiation, convection and evaporation. We know by experience that a room temperature of 70° F. seems to provide the proper relation to the body temperature of 98.6 F. for comfort. Even with this normal temperature we are uncomfortable in draughts or in low humidity air because of the increased rate of transfer from the body caused by convection and evaporation.

**Health.** Fortunately the requirements of a healthful atmosphere are closely related to the conditions necessary for a comfortable atmosphere. The temperature and humidity and air movement are in balance with conditions resulting from the rate of heat loss from the body, which eliminates undue strains on the body mechanisms due to chills or overheating.

Properly humidified air prevents the nose, throat and nasal passages from drying out, thereby assisting in eliminating one of the sources of respiratory diseases, such as colds, influenza, grippe, catarrh, etc. Dry air also affects the skin, causing it to become dry, itchy, wrinkled and chapped. Thus the most important requirement of a healthful atmosphere is a proper combination of temperature, air movement and humidity.

**Humidity.** When winter air at 0° F. and 35% relative humidity filters into a house and is heated to 70° F. the relative humidity is reduced to 8%, which is much drier than the air on the driest desert. This air acts like a sponge and absorbs moisture from the skin at an excessive rate, cooling the body of the occupant too fast, and leaving him cold. If the humidity were increased, a truly comfortable atmosphere would exist because the bodily heat loss would be in balance with conditions resulting from a correct temperature and humidity. Thus it is obvious that temperature alone is not a measure of comfort and that there is an urgent need for proper humidification.

**Air Movement.** When the air in a room is still and stagnant, we feel oppressed, due to the film of air saturated with bodily

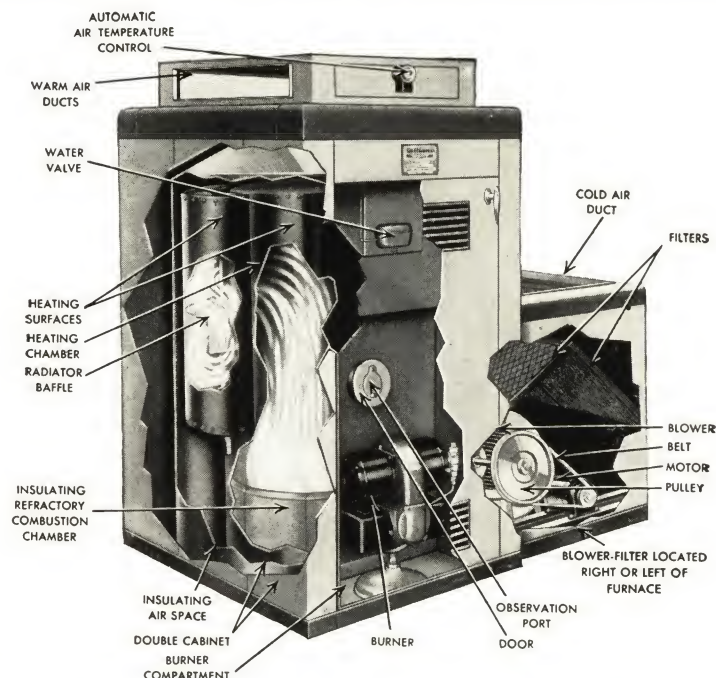
moisture which surrounds the occupant. A gentle movement of air corrects this condition with no change in room temperature or humidity, as well as leveling out the temperature difference between the floor and ceiling. Modern warm air conditioning equipment produces a movement of clean warm air at the proper humidity to completely fill all rooms and all parts of all rooms.

**Air Cleaning.** The purity or cleanliness of the air is another vital requirement. The necessity for air cleaning is obvious when we consider it carries floating particles of carbon, soot, ash, sand, leather, animal excretion, stone, wood, rust, paper, threads of cotton, wool, silk, animal and vegetable matter, bacteria and plant pollen. The air filters remove these particles and by so doing reduce sickness and relieve hay fever sufferers.

**Utility and Economy.** Modern air conditioning equipment requires comparatively very little floor space and eliminates the octopus of pipes so familiar to older types of warm air heating. It permits the basement or cellar to be made into attractive housing quarters or recreation rooms, rather than space devoted to ash cans and various other inconveniences of old-fashioned heating.

**Other Advantages.** Old type heating plant combustion losses are reduced tremendously in the "Gilbarco" Warm Air Conditioner. The recirculation of air through filters effectively reduces the amount of labor required for dusting and vacuum cleaning. The humidity control maintains woods and fabrics in their proper condition, resulting in less replacement of furniture, curtains, pictures, etc. Sickness is reduced. The annual cost of sickness, disease, lost time, doctor and medicine bills have been estimated and runs into millions of dollars per year. Gilbarco Air Conditioning Units will play their part in the reduction of this waste. The cost of the equipment is small in comparison to the results obtained.





## DEPENDABLE HEATING COMFORT AND ECONOMY

### THE UNIT

### ITS ADVANTAGES

**Design.** "Gilbarco" Series "F" Warm Air Conditioning Systems are efficient, dependable and unusually economical in operation. They are specially designed for oil fuel and develop a much higher degree of heating efficiency than is possible with any other type of equipment. The oversized radiator within the furnace, with its long, retarded gas travel insures a maximum amount of heat with a minimum amount of fuel. The filtering and humidifying equipment is engineered according to the most advanced principles of this new science and the fan and motor are of sufficient capacity and durability to insure many years of efficient service.

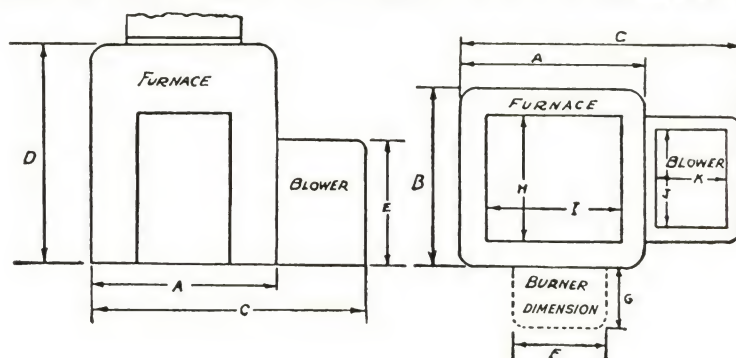
1. A warm-air heater that provides automatic dependable heat without which your home cannot be considered truly modern.
2. A Gilbarco Oil Burner . . . the most efficient, dependable and economical oil burning unit ever devised.
3. Humidification to add the moisture required for proper humidity.
4. An automatically-controlled, silent blower for forcing the conditioned air to all parts of all rooms.
5. Necessary controls to insure dependable service at all times.
6. Highly efficient filters which remove dust, lint, pollen, etc., insuring clean, healthful air at all times.

### SPECIFICATIONS—GILBARCO SERIES "F" AIR CONDITIONERS

Model	Heating Capacity B. T. U. per hour at Plenum	Heating Capacity B. T. U. per hour at Registers	Humidifying Capacity Pounds Water per hour	Burner Model No.	BLOWER				DIMENSIONS (Inches)										
					C.F.M. Max.	Fan Dia. In.	Motor H.P.	Filters No. — Size All 2" thick	A	B	C	D	E	F	G	H	I	J	K
FBSA80	100,000	80,000	5.2	GB00	1200	10	1/6	4-15x20	28	30	54	63	43	20 1/2	10 3/4	21 1/2	19 1/2	24	20
FBD110	137,500	110,000	7.0	GB1	1700	12	1/4	4-20x20	36	45	66	63	36	...	...	36 1/2	27 1/2	34	24
FBD125	156,250	125,000	8.0	GB1	2000	12	1/4	4-20x20	43	51	73	63	36	...	...	43	35	34	24
FBD150	187,500	150,000	12.0	GB1	2500	16	1/3	6-16x25	43	51	77	63	42	...	...	43	35	42	28
FBD200	250,000	200,000	14.0	GB1	3000	16	1/2	6-16x25	54	63	88	63	42	...	...	55	46	42	28
FBD250	312,500	250,000	16.0	GB1	3500	18	3/4	{ 6-20x20 } { 3-16x20 }	54	63	90	63	56	...	...	55	46	52	28
FBS350	420,000	350,000	18.0	GB2	4500	18	3/4	{ 6-20x20 } { 3-16x20 }	61	65	97	71	56	17	30	57	53	57	28
FBS450	540,000	450,000	20.0	GB2	5500	21	1	2-16x20	61	65	97	71	59	17	30	57	53	57	28

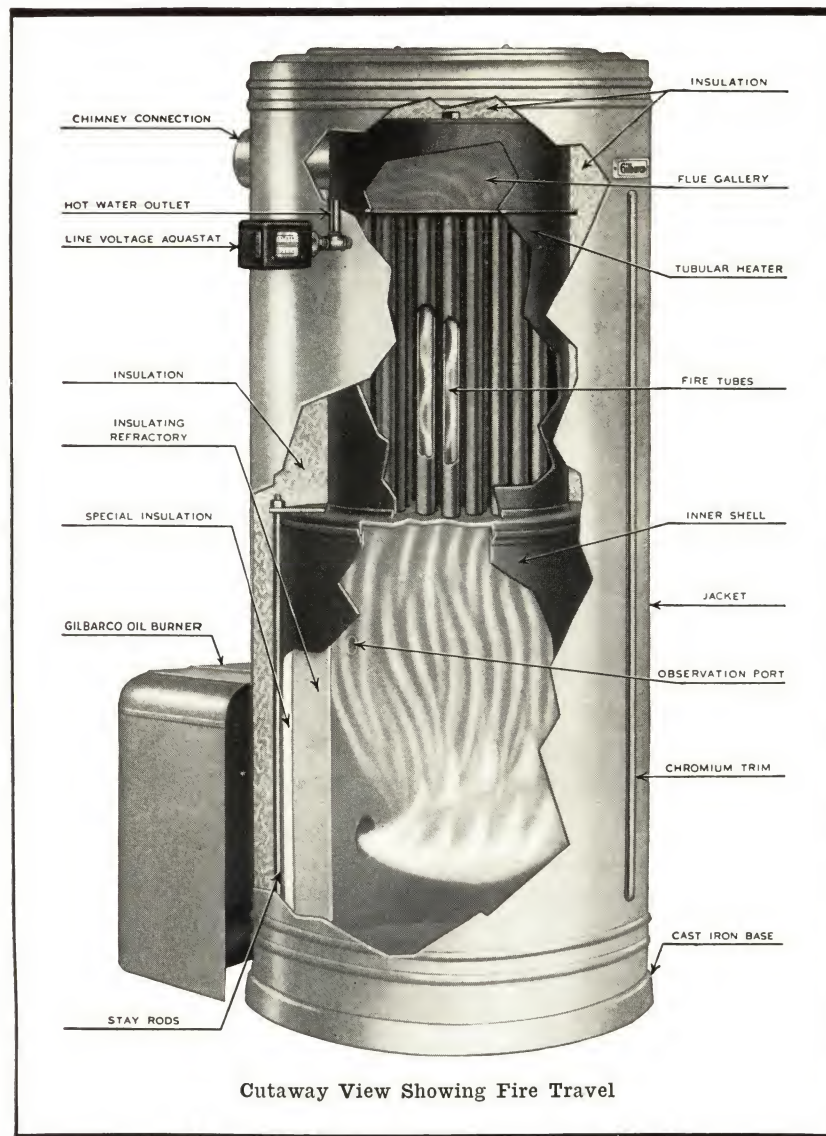
Special Models for 750,000 and 1,000,000 B.T.U. Output per Hour at the Register Available. Consult the Factory.

- F indicates Series  
 B " Blower  
 D " De Luxe Cabinet Enclosing Burner  
 S " Standard Cabinet, Burner Not Enclosed





# ... GILBARCO HOT WATER HEATERS



## MODEL PW1A and MODEL PW2

### YEAR ROUND HOT WATER

#### For the Smallest or Largest House

Beautifully finished in sage green enamel with chromium trim, this heater offers the most advanced engineering principles applicable to water heating equipment.

Automatic, dependable, it relieves you of every hot water responsibility, and provides an abundant supply of hot water at all times.

Low priced fuel, the same as you use in your furnace or boiler is burned in this heater, an economical feature with the further advantage that only one oil storage tank is necessary. In either the smallest or the largest home, it is the most economical method of supplying hot water automatically and dependably.

### SPECIFICATIONS

**Ratings:** PW1A—90 gallons hot water per hour, 100° F. temperature rise; 110 gallons hot water per hour, 80° F. temperature rise. PW2—130 gallons hot water per hour, 100° F. temperature rise; 165 gallons hot water per hour, 80° F. temperature rise.

**Boiler:** Vertical tubular boiler. Working pressure 160 lbs. per square inch. Test pressure 350 lbs. per square inch. Special copper-alloy boiler, tin plated on water surface for corrosion resistance, long life and clean water.

**Combustion Chamber:** Pre-cast refractory, completely insulated.

**Burner:** Gilbarco pressure atomizing type, constant ignition, fully automatic, compact unified construction. Approved by Underwriters' Laboratories, Inc.

**Controls:** Combustion Control consisting of stack relay—High Limit Safety Control consisting of immersion type aquastat.

**Insulation:** Rock wool blanket surrounds boiler and refractory combustion chamber, with double thickness around combustion chamber.

**Jacket:** Heavy-gauge cabinet steel finished in sage green enamel.

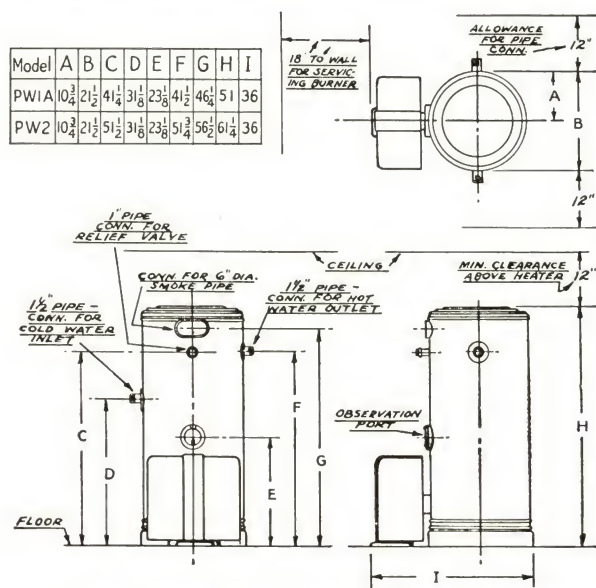
**Floor Space:** See drawing at left.

**Tappings:** 1½ inch inlet and outlet tappings for circulating lines.

**Flue Connection:** 6 inch oval.

**Storage Tank Sizes:** A storage tank must be used in conjunction with this heater. This tank should have a storage capacity equal to the maximum load in gallons of water per hours, as determined from the number and type of fixtures, and should not be less than 30 nor greater than 300 gallons storage capacity for the PW1A and not less than 30 nor greater than 500 gallons storage capacity for the PW2.

The PW1A heater should not be installed where the total daily demand exceeds 1000 gallons of hot water.



Floor Layout for Gilbarco Hot Water Heater

Model	A	B	C	D	E	F	G	H	I
PW1A	10½	21½	41½	31½	23½	41½	46½	51	36
PW2	10½	21½	51½	31½	23½	51½	56½	61½	36



# GILBARCO BOILER-

## SERIES "A6"

77% OVERALL EFFICIENCY

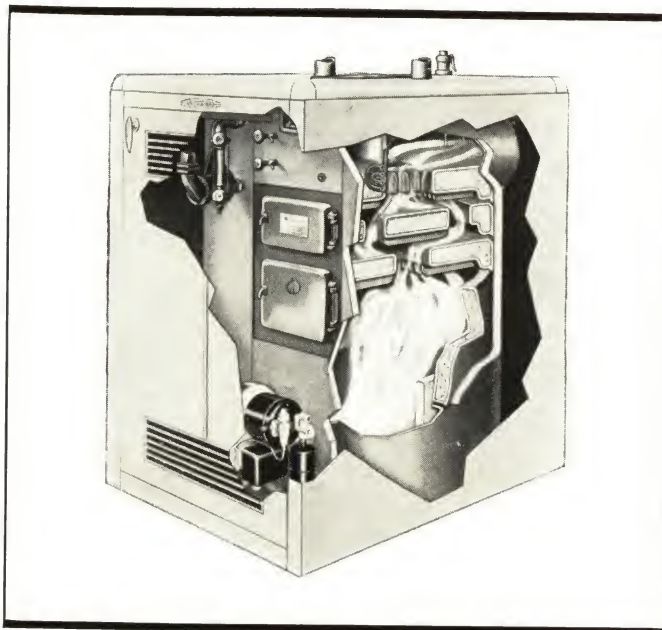
FOR STEAM, VAPOR  
AUTOMATIC, DEPENDABLE,  
A NEW STANDARD

**Design.** The boiler especially designed for fuel oil is of cast iron, which can be moulded into the most effective kind of heat absorbing surfaces. The gases are retarded and forced into intimate contact with the heat absorbing surfaces. As the gases rise from the combustion chamber, their path through the many small passages is so controlled as to cause them to travel spirally between each projecting fin; thus, the hottest gases are in constant contact with heat absorbing surfaces and stratification is not possible. Special provision has been made in the design and construction of these units to make installation easy and effective.

Automatically, they will provide abundant domestic hot water all year round on the steam models, and throughout the winter months on the hot water models. Year round domestic water with hot water boilers can be obtained by installing auxiliary equipment. The boilers are designed in three models for both steam and hot water systems.

**Construction.** Gilbarco Boiler Units (Oil Fired) have heavy gauge reinforced metal jackets. The boiler is insulated with a close fitting Rockwool blanket. Heating is accomplished by means of a standard Gilbarco Oil Burner of correct size for the boiler and radiation capacity. The Gilbarco burner is the outstanding piece of oil burning equipment in the world today from the standpoint of dependability and economy in operation.

**Standard Equipment.** Built-in water coil—Aquistat for summer hot water furnished on steam systems only—Low water cut-off on steam systems—Insulating type refractory combustion chamber—Pressurtrol on steam systems—High limit immersion aquistat on hot water systems.



### GILBARCO SERIES "A6" RATINGS

Unit Number	Gross Output B. T. U. Per Hour	Square Feet Steam Radiation				Square Feet Hot Water Radiation				Domestic Water Coil Capacities, Gallons of Water in Three Hrs. 100° F. Temperature Rise			
		Gross	Without Domestic Water Coil	With Standard Coil	With Special Coil	Gross	Without Domestic Water Coil	With Standard Coil	With Special Coil	Steam Boilers at 180° F. Average Temp.		Hot Water Boilers at 150° F. Average Temp.	
			Net	Net	Net		Net	Net	Net	Standard Coil	Special Coil	Standard Coil	Special Coil
A6-19	131,500	548	350	321	291	876	560	539	514	40	80	20	40
A6-20	168,000	700	450	416	391	1120	720	692	674	45	80	22.5	40
A6-22	206,400	860	550	515	491	1376	880	853	834	50	80	25	40

#### RATING NOTES

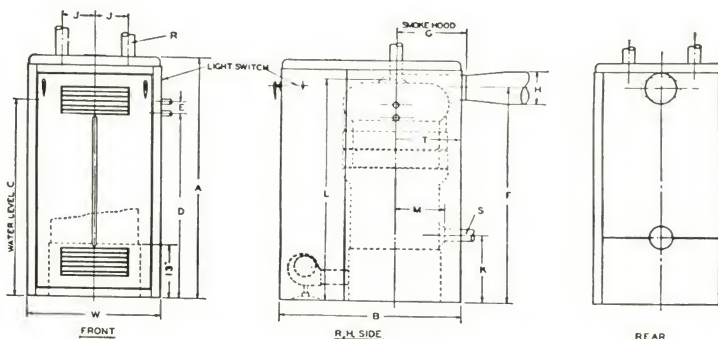
**Note:** Gross Rating is the total output in square feet of radiation at the boiler nozzle.

**Note:** Net ratings represent the allowable standing cast iron radiation which can be connected to each boiler when the domestic hot water load is as shown at the top of each column. No deduction for the hot water coil, regardless of storage tank size, should be made from the net ratings, since the maximum load imposed by each coil has already been deducted.

**Note:** All ratings expressed in square feet are based on a heat emission of 240 B.T.U. per square foot for steam and 150 B.T.U. per square foot for water.

**Note:** Series "A6" boilers show an overall efficiency of 77% at rated capacity for continuous firing.

**Note:** When ordering, be sure to specify whether the unit is for a steam or hot water system and add the letter "S" for steam or "W" for hot water to the unit number. For example: A6-19-S for steam and A6-19-W for hot water. Also specify whether with standard domestic water coil or special domestic water coil.



### SERIES "A6" DIMENSIONS

	A	B	C	D	E	F	G	H	J	K	L	M	W	R	S	T
A6-19	57 1/2	39 1/8	47 1/2	44 1/8	27 1/8	51 1/2	16 7/16	8	7 13/16	167 1/8	54 1/4	115 1/8	31 1/2	2-2 1/2	4	13 1/4
A6-20	57 1/2	41 7/8	47 1/2	44 1/8	27 1/8	51 1/8	17 3/8	9	8 15/16	167 1/8	54 1/4	123 3/4	34	2-3	4	14 1/4
A6-22	57 1/2	44 7/8	47 1/2	44 1/8	27 1/8	51 1/8	18 7/16	9	9 13/16	167 1/8	54 1/4	137 1/8	36	2-3	4	15 1/8



# UNITS (OIL FIRED)

and HOT WATER SYSTEMS

ECONOMICAL—THEY CREATE  
FOR HOME HEATING UNITS

## SERIES "BF"

80% OVERALL EFFICIENCY

**Design.** This series incorporates new methods of fire travel, heat absorption and water circulation which account for the unusual overall efficiency.

A large area of finned and prime heat-absorbing surfaces which are scientifically placed and proportioned absorb the heat from the gases of combustion. As the hot gases from the combustion chamber meet the first row of fins, they give up their heat and are retarded by rubbing against the fins. The hotter gases which have not come in contact with the heat-absorbing surfaces and which have not been retarded move at a high velocity to the next row of heat-absorbing surfaces. Water circulation is positive and unrestricted. Definite up and down currents are established which make for complete separation of steam and water. This illustration shows the large unrestricted area through which the water circulates. A small water content achieves quick steaming, and the large area of steam liberating surface at the water line permits rapid separation of steam and water and achieves a steady boiler water line. Series "BF" Units are made in five models for both steam and hot water systems.

It combines the following features:

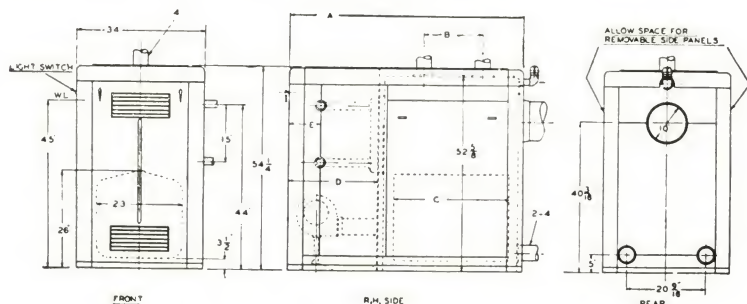
1. Extended fin type heating surfaces.
2. Low draft loss.
3. Large combustion chamber.
4. Quick steaming.
5. Water-backed combustion chamber.
6. Ground joints between sections.
7. Unique gas travel.
8. Positive internal water circulation.
9. Large steam liberating surface.
10. Compact size.
11. Maximum accessibility for ease of servicing.

**Construction.** Like Series "A6" units, the boilers of the "BF" Series are of cast-iron construction insuring efficiency and maximum durability.

**Standard Equipment.** Same as Series "A6."

## GILBARCO SERIES "BF" RATINGS

Unit Number	Gross Output in B. T. U. Per Hour	Square Feet Steam Radiation				Square Feet Hot Water Radiation				Domestic Water Coil Capacities, Gallons of Water in Three Hrs. 100° F. Temperature Rise			
			Without Domestic Water Coil	With Standard Coil	With Special Coil		Without Domestic Water Coil	With Standard Coil	With Special Coil	Steam Boilers at 180° F. Average Temp.		Hot Water Boilers at 150° F. Average Temp.	
		Gross	Net	Net	Net	Gross	Net	Net	Net	With Standard Water Coil	With Special Water Coil	With Standard Water Coil	With Special Water Coil
BF—3	187,200	780	500	428	384	1248	800	740	706	100	160	50	80
BF—4	262,800	1095	700	628	584	1743	1120	1060	1026	100	160	50	80
BF—5	337,200	1405	900	828	784	2248	1440	1380	1346	100	160	50	80
BF—6	412,800	1720	1100	1028	984	2752	1760	1700	1666	100	160	50	80
BF—7	487,200	2030	1300	1228	1184	3246	2080	2020	1986	100	160	50	80



## SERIES "BF" DIMENSIONS

Number of Boiler	BF3	BF3	BF5	BF6	BF7
Number of Double Sections	3	1	5	6	7
A	39 1/2"	47 1/2"	64 1/2"	72 1/2"	80 1/2"
B	0"	8"	16"	24"	32"
C	15 3/8"	23 3/8"	31 3/8"	39 3/8"	47 3/8"
D	15 7/8"	15 7/8"	24 7/8"	24 7/8"	24 7/8"
E	6"	6"	9 1/8"	9 1/8"	9 1/8"

## RATING NOTES

**Note:** Gross Rating is the total output in square feet of radiation at the boiler nozzle.

**Note:** Net ratings represent the allowable standing cast iron radiation which can be connected to each boiler when the domestic hot water load is as shown at the top of each column. No deduction for the hot water coil, regardless of storage tank size, should be made from the net ratings, since the maximum load imposed by each coil has already been deducted.

**Note:** All ratings expressed in square feet are based on a heat emission of 240 B.T.U. per square foot for steam and 150 B.T.U. per square foot for water.

**Note:** Series "BF" boilers show an overall efficiency of 80% at rated capacity for continuous firing.

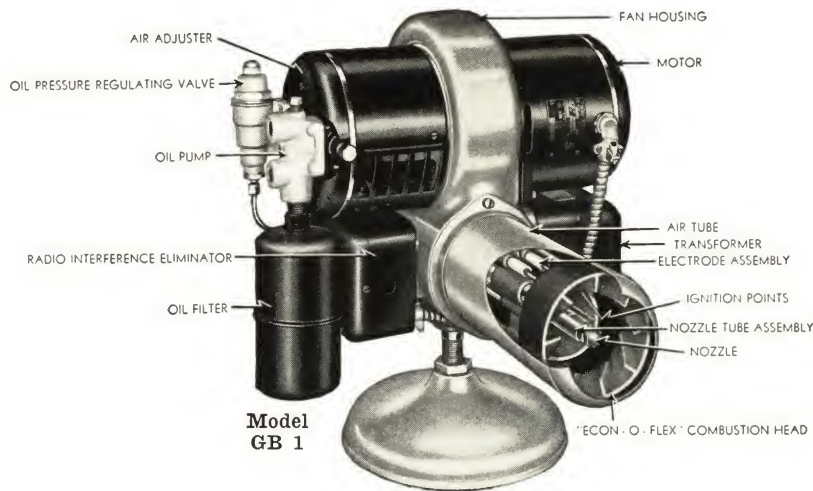
**Note:** When ordering, be sure to specify whether the unit is for a steam or hot water system, and add the letter "S" for steam or "W" for hot water to the unit number. (Example: BF3-S if for steam; BF3-W if for hot water.) Also specify whether with standard domestic water coil or special domestic water coil.



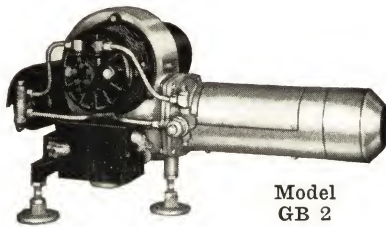
# GILBARCO OIL BURNERS

DESIGNED and CONSTRUCTED BY THE LEADERS  
in the INDUSTRY

## 6 MODELS

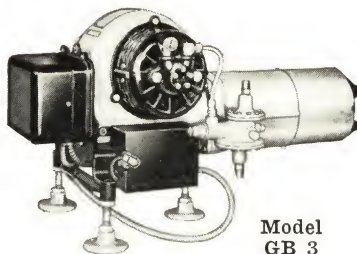


Unquestionably the finest low-priced, high quality oil burner for small homes, bungalows and similar buildings with small heating systems. Has a radiation capacity of 1150 square feet of steam or 1840 square feet of hot water. Burns low-cost heating oil, is completely electric and fully automatic.



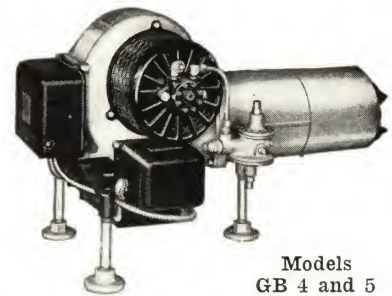
Model  
GB 2

Model "GB2," especially adapted for smaller and medium sized homes. Equipped with the famous, patented Econ-O-flex combustion head, electric ignition, radio filter, fully automatic controls. Burns low-cost heating oil. Easily handles up to 2250 square feet of steam radiation or equivalent.



Model  
GB 3

The ideal burner for bringing years of comfort to larger residences. Handles up to 4400 square feet of steam radiation or equivalent. Its quiet, dependable, efficient, fully automatic operation, burning low-cost heating oils, is your assurance of most heat per dollar.



Models  
GB 4 and 5

Designed for economical, maintenance-free operation in commercial installations such as public buildings, theatres, churches, schools, apartments, stores, etc. Capacity of 10,000 square feet of steam radiation or equivalent on the "GB5." Burns low-cost oil, has dual electric ignition and fully automatic controls.

### *"Econ-O-flex" Controlled Combustion Gives You "Most Heat per Dollar"*

"Econ-O-flex" Controlled Combustion is the most efficient method of obtaining heat from fuel that has ever been accomplished. The "Econ-O-flex" Combustion Head is the "carburetor" which, like the carburetor in an automobile, mixes the air and oil vapor so that every particle of oil comes in contact with the correct amount of air to support combustion. The more thoroughly the oil and air vapor are mixed, the more heat units you will secure from the oil you burn.



The "Econ-O-flex" Combustion Head is a patented feature which, when combined with varying nozzle angles, makes it possible to fit the flame to the particular size and shape of any combustion chamber in ordinary use. This provides a flexibility in flame shape obtainable in no other burner. The "Econ-O-flex" Combustion Head results in the highest combustion efficiency ever produced in an oil burner and fuel savings which make "Gilbarco" just as outstanding in economy of operation as in other Gilbarco exclusive features.



## SPECIFICATIONS—GILBARCO OIL BURNERS

**Note:** The specifications in the paragraphs immediately below are common to all A.C. models of the Gilbarco Oil Burners. Specifications and characteristics which differ in the various models are listed in the table at the bottom of this page. GILBERT & BARKER MFG. CO. reserves the right to change these specifications without notice or liability.

**Finish.** Attractively finished in black and red gloss enamel on smoothly polished metal surfaces, making for easy dust removal.

**Type and Design.** Pressure atomizing type, fully automatic. Compact unified construction. Design permits performance of practically any mechanical service without disturbing setting.

**Adaptability.** Can be used in steam, hot water, vapor or hot air systems, with round, rectangular or square fire boxes.

**Flexibility of Firing Rate.** Each model is easily adjusted to burn the exact amount of oil required to properly heat the boiler or furnace.

**Flexibility of Flame Shape.** With the patented unique Econ-O-flex Combustion Head, together with the proper nozzle, the flame can be made to fit the particular shape of the combustion chamber involved. This head is largely responsible for the unusually efficient and trouble-free operation of the Burner.

**Air Supply and Control.** Air is supplied by a low pressure fan, mounted directly on motor shaft. Special "Gilbarco" Air Control created by Gilbert & Barker provides positive means for adjusting the air for proper combustion.

**Patented Nozzle Tube Assembly.** Weighs from five to eight times as much as competitive assemblies, which prevents radiant heat from the fire box from raising the nozzle temperature to the point where any oil remaining in the nozzle will be carbonized.

**Motor.** Long hour motor, specially designed for high efficiency and low temperature rise, with built-in thermal overload protection.

**Pump.** Internal gear type, direct driven from motor shaft through flexible coupling.

**Pressure Regulating Valve.** Adjustment provided for accurate setting of oil pressure for proper atomization. Valve also acts as positive oil cut-off preventing "dripping" at nozzle.

**Oil Filter.** Each model is equipped with an oil filter of proper size, which prevents dirt passing through to working parts of Burner.

**Electrodes.** Electrodes, made of special alloy, highly resistant to heat and erosion, are strongly mounted in Isolantite insulators, which are well protected from heat or damage. Electrode tips are cooled by air stream and do not come in contact with oil spray, thus precluding fouling.

**Radio Filter.** Prevents operation of Burner from interfering with radio reception.

**Controls.** Special Gilbarco Low voltage controls of high quality are provided. Completely electric and fully automatic, assuring fool-proof and safe operation.

**Fuel.** Will give reliable and satisfactory operation on the various grades of Domestic heating oils now furnished. These burners are listed with the National Board of Fire Underwriters for use with either No. 2 or No. 3 oil as defined by the Commercial Standards of the Department of Commerce CS 12-35.

**Approvals.** Underwriters' Laboratories, Inc., Mass. State Dept. of Public Safety; N. Y. Board of Standards and Appeals; State of Connecticut; City Fire Marshal, Philadelphia; Hydro Electric of Canada.

## SPECIFICATIONS OF AND CAPACITIES FOR 60 CYCLE MOTOR BURNERS

(Write to us for capacities of D.C. and odd cycle motor burners.)

MODEL NUMBER	GB0	GB1	GB2	GB3	GB4	GB5
Max. Oil Capacity per Hour, U. S. Gallons	2.6	3.00	6.00	11.00	15.00	25.00
Total Steam Radiation (Radiation, piping, and pickup)	970	1150	2250	4400	6000	10,000
Total Hot Water Radiation (Radiation, piping, and pickup)	1550	1840	3650	7050	9600	16,000
Nozzle	Single	Single	Single	Twin	Twin	Twin
Ignition (Continuous Electric)	Single transformer	Single transformer	Single transformer	Single transformer	Two sets electrodes two transformers	Two sets electrodes two transformers
Motor (size)	1/2 H. P.	1/2 H. P.	1/8 H. P.	1/6 H. P.	1/4 H. P.	1/3 H. P.
Controls	Stack mounted Protectorelay and Thermostat	Stack mounted Protectorelay and Thermostat	Stack mounted Protectorelay and Thermostat	Protectorelay Protectostat and Thermostat	Protectorelay Protectostat and Thermostat	Protectorelay Protectostat and Thermostat
R. P. M.	1750	1750	1750	1750	1750	1750

## DIMENSIONS

MODEL NUMBER	GB0	GB1	GB2	GB3	GB4	GB5
Overall burner length* (standard model)	187 <sup>3</sup> / <sub>8</sub> "	19 <sup>3</sup> / <sub>16</sub> "	34 <sup>3</sup> / <sub>16</sub> "	31"	367 <sup>3</sup> / <sub>8</sub> "	367 <sup>3</sup> / <sub>8</sub> "
Overall burner length* (extended model)	271 <sup>1</sup> / <sub>2</sub> "	271 <sup>3</sup> / <sub>8</sub> "	42 <sup>1</sup> / <sub>16</sub> "	42 <sup>1</sup> / <sub>2</sub> "	473 <sup>3</sup> / <sub>8</sub> "	473 <sup>3</sup> / <sub>8</sub> "
Service clearance required at rear of burner (standard)	18"	18"	43 <sup>3</sup> / <sub>4</sub> "	6"	6"	6"
Service clearance required at rear of burner (extended)	26"	26"	43 <sup>3</sup> / <sub>4</sub> "	6"	6"	6"
Width center line to motor side	81 <sup>1</sup> / <sub>8</sub> "	77 <sup>1</sup> / <sub>8</sub> "	83 <sup>3</sup> / <sub>4</sub> "	91 <sup>1</sup> / <sub>8</sub> "	111 <sup>1</sup> / <sub>4</sub> "	111 <sup>1</sup> / <sub>4</sub> "
Width center line to pump side	101 <sup>1</sup> / <sub>8</sub> "	103 <sup>3</sup> / <sub>8</sub> "	81 <sup>1</sup> / <sub>4</sub> "	13 <sup>1</sup> / <sub>4</sub> "	153 <sup>3</sup> / <sub>4</sub> "†	153 <sup>3</sup> / <sub>4</sub> "†
Overall width	181 <sup>1</sup> / <sub>4</sub> "	181 <sup>1</sup> / <sub>4</sub> "	17"	221 <sup>1</sup> / <sub>8</sub> "†	27 <sup>1</sup> / <sub>4</sub> "†	27 <sup>1</sup> / <sub>4</sub> "†
Air tube diameter	43 <sup>3</sup> / <sub>8</sub> "	43 <sup>3</sup> / <sub>4</sub> "	51 <sup>1</sup> / <sub>8</sub> "	63 <sup>3</sup> / <sub>4</sub> "	81 <sup>1</sup> / <sub>2</sub> "	81 <sup>1</sup> / <sub>2</sub> "
Minimum height floor to center line air tube	75 <sup>3</sup> / <sub>8</sub> "	77 <sup>1</sup> / <sub>8</sub> "	71 <sup>1</sup> / <sub>8</sub> "	71 <sup>1</sup> / <sub>8</sub> "	131 <sup>1</sup> / <sub>8</sub> "	131 <sup>1</sup> / <sub>8</sub> "
Maximum height floor to center line air tube	95 <sup>3</sup> / <sub>8</sub> "	101 <sup>1</sup> / <sub>4</sub> "	115 <sup>3</sup> / <sub>8</sub> "	93 <sup>3</sup> / <sub>8</sub> "	163 <sup>3</sup> / <sub>8</sub> "	163 <sup>3</sup> / <sub>8</sub> "
Minimum overall height	171 <sup>1</sup> / <sub>8</sub> "	181 <sup>1</sup> / <sub>16</sub> "	16"	16"	237 <sup>3</sup> / <sub>8</sub> "	237 <sup>3</sup> / <sub>8</sub> "
Maximum overall height	191 <sup>1</sup> / <sub>8</sub> "	203 <sup>3</sup> / <sub>16</sub> "	201 <sup>1</sup> / <sub>2</sub> "	181 <sup>1</sup> / <sub>4</sub> "	271 <sup>1</sup> / <sub>8</sub> "	271 <sup>1</sup> / <sub>8</sub> "

\*In figuring for external clearances allow 4 1/2" for entrance of air tube into refractory wall.

†Can be reduced by 4" if oil filter is mounted remotely.



# GILBARCO PORTABLE AIR CONDITIONER

CLEANS, COOLS, DEHUMIDIFIES AND CIRCULATES PURE VITALIZING AIR THROUGHOUT THE SUMMER SEASON WHEN CONDITIONING IS SO IMPORTANT TO REFRESHING COMFORT

## SPECIFICATIONS

### Gilbarco Portable Air Conditioner

Gilbarco Portable Air Conditioners set a standard for Advanced Design, Rugged Construction, and Manufacturing Precision. Every Gilbarco Unit passes a minute inspection of every part and every assembly of parts . . . is run-in under actual load conditions for a period of 24 hours before leaving the factory.

**COOLING MACHINE.** Heavy Duty 2 cylinder type Compressor; built to highest precision standards. Includes special suction and discharge valves, compact positive shaft seal, special oiler, plus the engineering and manufacturing refinements which show their merits by actual history.

**MOTOR.** Long hour duty, ample capacity, high starting torque; furnished for variety of current characteristics.

**DRIVE.** Double V-belts insure quiet operation and reduce slippage and friction losses. Convenient adjustment for belt tightening.

**CONDENSER-AIR FAN.** Specially selected for quiet and efficient operation. Direct connected to shaft of motor driving Cooling Machine. Fan is of centrifugal type, designed to deliver large volumes of air under sufficient pressure and velocity to assure proper condensing effect.

**CONDENSER AND COOLING COILS.** Uniformly corrugated copper fins are bonded with metal to 1/2 inch copper tubes. Tubes are staggered on close diagonal spacing. Double circuit to prevent pressure drop. Six corrugated fins per inch give (a) more surface, (b) increased turbulence for heat removal, and (c) in the Cooling Coil better moisture pick-up. Turbulence further increased by extended fin spacers. Coil specially dip coated. As efficient and effective as any ever made for this service.

**ROOM-AIR FAN.** Specially designed for quiet and efficient operation. Direct connected to fractional H.P. motor. Fan is of centrifugal type, designed to deliver large volumes of air.

**AIR FILTER.** One Special cellular filter cleans both the room air and the fresh outside air. Large area . . . Low resistance . . . Easy to replace.

**MANUAL CONTROL SYSTEM.** Finger tip controls to the right and left of the special Gilbarco grille.

**APPEARANCE.** Attractive and harmonious design.

**BALANCED COMFORT.** The dehumidifying and cooling capacities are so engineered and balanced, that the temperature and relative humidity of the room air will fluctuate in a relation to each other during the cooling season to give comfortable room conditions.

**MOTOR PROTECTION.** The motor is protected by a built-in protective relay which cuts out if the motor gets too hot and cuts in again when conditions are normal. (Direct current motors have manual reset.)

**LUBRICATION.** Five accessible lubrication points require attention only at infrequent intervals. An oil sight glass located in the side of the compressor crankcase permits quick inspection of the amount of oil in the crankcase.



GB90

**ROOM-AIR VENTILATOR.** Simply by moving the Room-Air Exhaust control, the entire volume of room air will be thoroughly and quickly exhausted to the outside. This feature is of great value after heavy smoking or excessive occupancy.

**SOUND ISOLATION.** The compressor and its motor are mounted as low as possible in the cabinet and are isolated from the base by effective vibration dampeners. Other moving parts are also mounted as close to the base as possible. The entire unit has been designed to reduce the operating sound level to a minimum.

**INSTALLATION.** Located in front of a convenient window, the conditioner is connected to the outdoor air by means of one Window Adapter, which combines the Fresh-Air inlet, Condenser-Air suction and Condenser-Air discharge ducts. Connected to a suitable electric power supply, the unit is ready for operation. No water or drain connections are necessary.

**WINDOW ADAPTER.** The weather-tight window adapter may be quickly and easily adjusted to windows varying from 27" to 48" wide with sills 26" to 38" high.

**WATER COOLED UNITS.** For localities where climate or installation conditions indicate a need for slightly larger capacity, water cooled condensing units are available.

## CAPACITIES AND DIMENSIONS

### Portable Gilbarco Conditioners

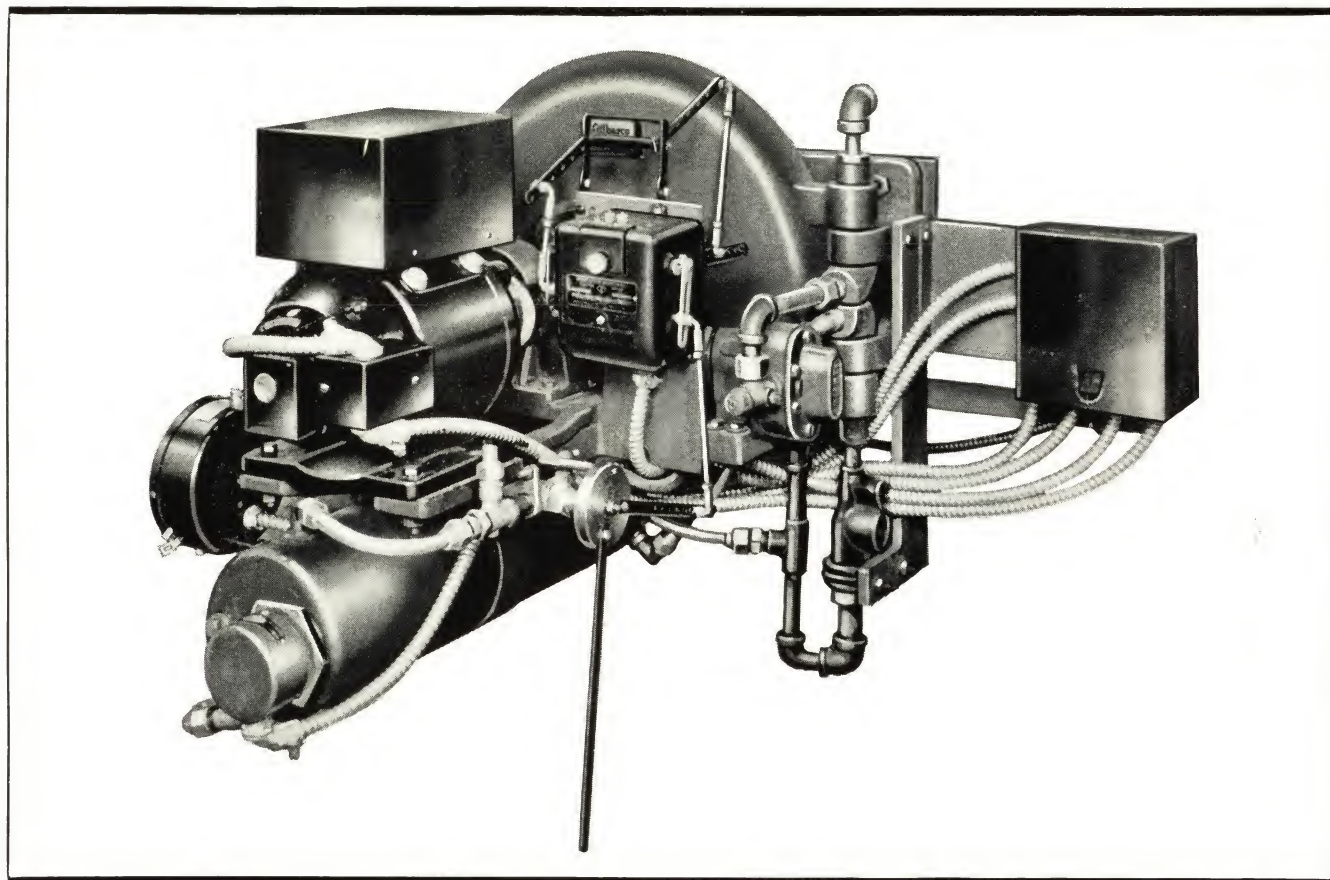
Capacity — B.T.U. per hour.....	9400	Room-Air Ventilation.....	315 C.F.M.
Motor — Compressor .....	3/4 H.P.	Dimensions — Decorative Casing	
Motor—Room-Air Circulating Fan.....	1/20 H.P.	39-3/4" long x 15-5/8" wide x 41-1/4" high	
Watts Consumed — Average Total per hour.....	1230	Dimensions — Standard Window Adapter	
Electric Current Characteristics—		Fits Windows from 27" to 48" wide	
A.C., 60 Cycle, Single Phase, 110, 220 or 208 Volts		Fits Sills from 26" to 38" high	
A.C., 50 Cycle, Single Phase, 110 or 220 Volts		Sash to be raised 8"	
Direct Current, 115 or 230 Volts		Net Weight — Unit with Casing.....	500 lbs.
Room-Air Circulation.....	310 C.F.M.	Shipping Weight (approximately).....	710 lbs.
Fresh Outside Air for Ventilation.....	60 C.F.M.		



# ... GILBARCO HEAVY OIL BURNERS

FOR HEATING, POWER AND INDUSTRIAL APPLICATION

Complete Range of Models and Capacities



## HORIZONTAL ROTARY CUP BURNERS

for Economical, Unfailing Performance in

HOTELS · APARTMENTS · SCHOOLS · CHURCHES · FACTORIES · DAIRIES · PUBLIC BUILDINGS · ETC.

**The Burner.** Designed to burn No. 5 and No. 6 commercial fuel oils within the limits of the specifications as shown in following table. Effective and positive interlocking of the relative volumes of oil and air assures efficient operation throughout the burner capacity range.

Type Burner	Grade of Oil	Flash Point		Max. % Water & Sediment	Pour Point Max.	Max. Viscosity
		Min.	Max.			
Manual or Semi-Auto.	No. 5	150		1.0	15° F.	500 Sec. Saybolt Univ. @ 100° F.
Automatic	No. 5	150		1.0	15° F.	300 Sec. Saybolt Univ. @ 100° F.
Manual or Semi-Auto.	No. 6	150		2.0	15° F.	300 Sec. Saybolt Furol @ 122° F.
Automatic	No. 6	150		2.0	15° F.	150 Sec. Saybolt Furol @ 122° F.

NOTE: When the viscosity of No. 5 oil exceeds above, pre-heating equipment should be used.

**Three Types of Operation.** Manual, Semi-Automatic, or Automatic. Any one of the three methods of operation may be High-Low-Flame controlled. The burner is also designed without pump, for application where oil is fed to the burner by gravity or separate pump set.

**Oil Heaters** for preheating the oil are of standard water or steam heating design. In cases where hot water or steam are not available (as on cold starting periods) a special electric heater

element with suitable heater tank is furnished. Return line tempering steam heaters are also available.

**Operation.** All models are hinged-mounted enabling them to be swung to an open position. The hinges are designed to permit the use of rigid type pipe connections for the oil supply and return.

From the storage tank fuel oil is drawn through the strainer by the pump and delivered through the oil control valves, pressure relief valve and returned to the storage tank. The relief valve functions to create sufficient pressure to assure uniform oil feed to the oil cup.

The oil is discharged off the edge of the revolving oil cup at high velocity causing proper atomization, then mixed with the proper proportions of air delivered from the air nozzle which encloses the oil cup.

The air supplied by the fan or primary air is supplemented by secondary air introduced through suitable openings in the combustion chamber by the influence of the draft.

The oil control valve provides for the regulation of the quantity of oil burned, and the primary air adjustment is made by means of an air shutter.

Synchronization of air and oil or High-Low-Flame control is effected by means of an adjustable linkage which may be actuated by a suitable regulator by steam pressure, water temperature, or electricity.

The secondary air supply adjustment should be synchronized with the oil and primary air.

**Capacities** of the various models are of such a range that any requirement can be met.



# PARTIAL LIST OF MANY G&B OIL BURNER INSTALLATIONS

## PUBLIC AND COMMERCIAL BUILDINGS

Central Maine Power Co. office, Augusta, Maine	Reno's Garage	Hull, Mass.	Chappaqua Library	Chappaqua, N. Y.
Belfast Library	Huntington Inn	Huntington, Mass.	New Theatre	Hoosick Falls, N. Y.
Barnstable Court House	Cape Cod Hospital	Hyannis, Mass.	Albee Court Apartments	Larchmont, N. Y.
Laboratory, Dr. N. B. Nesbitt	Madison Theatre	Jamaica Plains, Mass.	Kisco Lodge Hotel	Mt. Kisco, N. Y.
American Red Cross	Morehouse Baking Co.	Lawrence, Mass.	Riverview Hotel	Ossining, N. Y.
Eastern S.S. Co., India Wharf	New England Tel. & Tel. Co.	Malden, Mass.	Triebel's Garage	Red Hook, N. Y.
McLeod Hospital	W. B. Z. Transmitting Station	Millis, Mass.	DeBorah Power House	Troy, N. Y.
Perry Furniture Co.	Suffolk Square Garage	Malden, Mass.	U. S. Hotel	Westbury, N. Y.
N. B. Smith Bldg.	Hampshire County Ct. Hse.	Northampton, Mass.	Dellwood Dairy	Yonkers, N. Y.
Brimfield Library	C. of C. Bldg.	Salem, Mass.	Garden City Post Office	Garden City, L. I., N. Y.
Chas. McGregor	Town Hall	Scituate, Mass.	Le Rose Shops	Hempstead, L. I., N. Y.
Absorpine Water Co.	New England Tel. & Tel. Co.	Somerville, Mass.	Job Haines Old Folks Home	Bloomfield, N. J.
Ford Motor Co.	Plymouth County Hospital	St. Hanson, Mass.	Municipal Bldg.	Butler, N. J.
Kroger Grocery & Baking Co.	Home for Aged Men	Springfield, Mass.	W. B. O. Broadcasting Station	Carlstad, N. J.
Belle Isle Light House	Turners Falls Power & Elec. Co.	Turners Falls, Mass.	C. S. Investment Co., Inc.	Elizabeth, N. J.
Michigan Mut. Liability Ins. Co.			Monmouth County Court House	Freshford, N. J.
Kesbec Service Station			Newark Terminal & Transport. Co.	Newark, N. J.
New England Tel. & Tel. Co.			S. O. of N. J. Hangar, Newark Airp't	Newark, N. J.
Strand Theatre			Cooper Apartments	Rutherford, N. J.
Keystone Tire Co.			Reynolds Research Lab., Inc.	So. Kearney, N. J.
Dutch Cake Bakery			Nevins Bros. Dept. Store	Trenton, N. J.
Phila. & Western R.R. Terminal			Rutland County Court House	Rutland, Vt.
Easthampton Library			Northeast Realty Corp.	Baltimore, Md.
Orpheum Theatre			Rukert Terminal Corp.	Baltimore, Md.
Home for the Aged			Public Health Centre	Catonville, Md.
Franklin City Court House			The Country Store	Washington, D. C.
Publix-Lawler Theatre			Washington Hospital "C"	Washington, D. C.
Melrose Hotel			New York Decorating Co.	Washington, D. C.
Kensington Farms			Pharmaceutical Building	Washington, D. C.
Colonial Theatre			Real Title Company	Clarendon, Va.
N. E. Telephone Co. Bldg.				

## CHURCHES AND RELIGIOUS INSTITUTIONS

St. Francis Church	Hallowell, Maine	St. Patrick's Convent	Brockton, Mass.	Sacred Heart Rectory	Watertown, Mass.
St. Joseph Convent	Lewiston, Maine	Immaculate Conception Church	Cambridge, Mass.	First Church of Christ Scientist	Worcester, Mass.
Catholic Church	Old Town, Maine	Immaculate Conception Rectory	Cambridge, Mass.	Immaculate Conception Hall	Providence, R. I.
First Baptist Church	Agawam, Mass.	St. Stanislaus Rectory	Chelsea, Mass.	First Congregational Church	Wallingford, Conn.
Holy Redeemer Rectory	Boston, Mass.	Doolittle Home Universities	Foxboro, Mass.	Unitarian Retreat	So. Woodstock, Conn.
St. Luke's Church	Rochester, N. Y.	Methodist Church	Greenfield, Mass.	Temple Beth El Jacob	Albany, N. Y.
Holy Family Church	Detroit, Mich.	St. Joseph's Church	Leicester, Mass.	St. Paul's Church	Brooklyn, N. Y.
Mt. Carmel Church	Detroit, Mich.	Elliot Congregational Church	Newton, Mass.	Immaculate Conception Church	Corinth, N. Y.
Our Lady of Rosary	Detroit, Mich.	First Congregational Church	Norwood, Mass.	St. Bartholomew Church	Hohokus, N. J.
St. Jerome's Church	Detroit, Mich.	St. Ann's Church	Quincy, Mass.	Rose Hill Cemetery	Linden, N. J.
St. Margaret Church	Bronx, N. Y.	Bethany Congregational Church	Rockhill, Mass.	St. Anthony Church Rectory	Northvale, N. J.
St. Patrick's Church	Wareham, Mass.	Baptist Church	Rockland, Mass.	St. Bonaventure's Church	Paterson, N. J.
St. Matthews Rectory	Limerick, Maine	St. Monica's Church	So. Boston, Mass.	Bethany Baptist Church	Washington, D. C.
Presbyterian Church	Antrim, N. H.	Notre Dame Church	Southbridge, Mass.	St. Mary's Star of the Sea	Baltimore, Md.
St. Patrick Church	Fiskdale, Mass.	Colonial Church	So. Hadley, Mass.	Nativity Mission	Taoma Park, Md.
Christ Episcopal Church	Westerly, R. I.	Our Lady of Sacred Heart	Springfield, Mass.	St. Lukes Church	Pawtucket, R. I.
St. Barnabas Church	Falmouth, Mass.	St. Mary's Church	Ware, Mass.		

## BANKS

State Trust Company	Augusta, Maine	Springfield Five Cent Sav. Bank	Springfield, Mass.	Union Trust Company	Springfield, Mass.
Augusta Trust Company	Boothbay Harbor, Maine	National Shawmut Bank	Charlestown, Mass.	Woburn Five Cent Savings	Woburn, Mass.
Augusta Trust Company	Gardiner, Maine	Conway National Bank	Conway, Mass.	Gen. Industrial Bank	New Haven, Conn.
So. Paris Savings Bank	So. Paris, Maine	Dedham Institute of Savings	Dedham, Mass.	Chase National Bank	New York, N. Y.
Albany Savings Bank	Rochester, N. Y.	Falmouth National Bank	Norwood, Mass.	Bank of Utica	Rockville Center, N. Y.
Emigrant Ind. Savings Bank	Bronx, N. Y.	First National Bank	Foxboro, Mass.	Union Bank & Trust Co.	Oxford, N. C.
Commercial St. Bank	Detroit, Mich.	Middleboro Savings Bank	Middleboro, Mass.	Merchants & Mechanics Bank	Norfolk, Va.
Mechanics Bank	New Haven, Conn.	Home Savings Bank	Newton, Mass.		

## SCHOOLS

Kent's Hill Seminary	Kent's Hill, Maine	Boston University	Boston, Mass.	R. I. College of Pharmacy	Providence, R. I.
Emerson School for Boys	Exeter, N. H.	Holy Trinity School	Greenfield, Mass.	Rectory School	Pomfret, Conn.
Wareham High School	Wareham, Mass.	Millis High School	Millis, Mass.	Public School No. 16	Albany, N. Y.
Bedford Hills High School	Bedford Hills, N. Y.	Plympton School	Waltham, Mass.	LaSalette Seminary	Altamont, N. Y.
Valley Forge Military Academy	Wayne, Pa.	Chicopee School Adm. Bldg.	Chicopee, Mass.	Public School No. 5	Walden, N. Y.
Great Neck Prep.	Nassau, N. Y.	St. Charles Parochial School	Woburn, Mass.	Loyola College	Baltimore, Md.
Barnstable Grade School	Marstons Mills, Mass.	Woods Hole School	Woods Hole, Mass.	St. Josephs School	Fullerton, Md.

## CLUB HOUSES

Masonic Bldg.	Old Town, Maine	Oyster Harbors Club	Osterville, Mass.	Carmel Country Club	Carmel, N. Y.
Midvale Country Club	Rochester, N. Y.	Falcon Lair Club	Palmer, Mass.	Sailors Snug Harbor	New York, N. Y.
Federation of Women's Clubs	Detroit, Mich.	American Legion, Perkins Post	So. Boston, Mass.	Knights of Columbus Hall	Bayonne, N. J.
Odd Fellows Hall	Wareham, Mass.	St. Vincents Girls Club	So. Boston, Mass.	Ft. Lee Athletic Club	Ft. Lee, N. J.
B. P. O. Elks	Holyoke, Mass.	Metacommet Golf Club	E. Providence, R. I.	Rolling Road Golf Club	Baltimore, Md.
I. O. O. F.	Holyoke, Mass.	The Newman Club	Albany, N. Y.	Knights of Columbus	Rutland, Vt.
Lawrence Boys' Club	Lawrence, Mass.				

## POLICE AND FIRE STATIONS

Central Fire Station	Cohasset, Mass.	Needham Fire Station	Needham, Mass.	Scituate Fire Station Hose 4	Scituate, Mass.
Onset Fire Dept.	Onset, Mass.	Osterville Fire House	Osterville, Mass.	W. Springfield Police Station	W. Springfield, Mass.
Greenfield Fire Station	Greenfield, Mass.	Dist. Comm. Police Station	Revere, Mass.	Kearney Fire Alarm Hdq.	Kearny, N. J.

## FOREIGN INSTALLATIONS

Presidential Residence	Buenos Aires, Argentina	Automobilforhandler	Skive, Denmark	Hotel Posthouse	Celerina, Switzerland
Hotel Nogaro	Mar del Plata, Argentina	Credit Lyonnais	Lyons, France	Hotel Erika	Lugano, Switzerland
La Cigarette Orientale	Brussels, Belgium	Agence Havas	Paris, France	Prefecture D'Oran	Oran, Algeria
American Petroleum Co.	Liege, Belgium	Societa Italo-Americana	Genoa, Italy	Societe Michelin	Algiers, Algeria
Hradcin Castle	Prague, Czechoslovakia	S. A. R. de Telefoane	Bucharest, Roumania	Institut Pasteur	Tunis, Tunisia
Vestkustons Petroleum	Aktiebstag, Gotenborg, Sweden	H. R. H. Prince Nicolae	Bucharest, Roumania	Cathedral at Trondheim	Norway
		Mission Gymnasium	Nuden, Switzerland		

# "Gilbarco" Automatic Oil Heating—Air Conditioning

Sold and Installed by